

RAW SEQUENCE LISTING

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Application Serial Number: 10/565,221
Source: IFWP
Date Processed by STIC: 1/30/06

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IFWP

RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/565,221

TIME: 14:48:41

Input Set : A:\Sequence listing - 13173-00022-US.txt

Output Set: N:\CRF4\01302006\J565221.raw

3 <110> APPLICANT: Heim, Ute
 4 Herbers, Karin
 5 Kunze, Irene
 7 <120> TITLE OF INVENTION: EXPRESSION CASSETTES FOR THE BI-DIRECTIONAL TRANSGENIC
 EXPRESSION
 8 OF NUCLEIC ACIDS IN PLANTS
 10 <130> FILE REFERENCE: 13173-00022-US
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/565,221
 C--> 12 <141> CURRENT FILING DATE: 2006-01-19
 12 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/007255
 13 <151> PRIOR FILING DATE: 2004-07-03
 15 <150> PRIOR APPLICATION NUMBER: DE 103 33 479.3
 16 <151> PRIOR FILING DATE: 2003-07-22
 18 <160> NUMBER OF SEQ ID NOS: 6
 19 <170> SOFTWARE: PatentIn version 3.1
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 22 <211> LENGTH: 429
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Arabidopsis thaliana
 26 <220> FEATURE:
 27 <221> NAME/KEY: promoter
 28 <222> LOCATION: (1)..(429)
 29 <223> OTHER INFORMATION: promoter
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 34 gattgggtca tatccgtatt aagtccgggtt aatattttcc ataactgggg tttgaacatt 180
 35 cggtttcttt ttttcaagttt gtccgatttg gagtttttag tatggaaaaaa taatactgaa 240
 36 tttattttgtt caaactgttt tgaaaaaaat atttccctta attacgaata taattaaaat 300
 37 ttaaaaatc atttttattag atcttggtta attcggttta atgcattaaat gaatttcggt 360
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 44 <213> ORGANISM: Arabidopsis thaliana
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 48 <222> LOCATION: (344)..(772)
 49 <223> OTHER INFORMATION: promoter
 51 <220> FEATURE:
 52 <221> NAME/KEY: Intron
 53 <222> LOCATION: (14)..(281)
 54 <223> OTHER INFORMATION: 1st intron of OASTL gene

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 58 <222> LOCATION: (773)..(836)
 59 <223> OTHER INFORMATION: 5'UTR of FD gene
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 62 <221> NAME/KEY: 5'UTR
 63 <222> LOCATION: (1)..(343)
 64 <223> OTHER INFORMATION: 5'-UTR of OASTL gene comprising intron
 66 <400> SEQUENCE: 2

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69 caccaatcca gttataacaac actcttaaca ccaaatacaac agatattaaca gcgaaataag	180
70 cttaagccca tacaatttac cgatccaaac aaatataatc gaaaccggca gaggaataag	240
71 caagtgaatc aaaaagtatg ggacgaggaa gaagatgata cctgaatgag aaagtcaata	300
72 accttgaccc gaatcgaaaaatg gagaaaaatcg gttgtatgga ataaaaatctt	360
73 cgaatgatga gatatatgtat ctctttgggt tcagtcacat ggcacacgct atcaatttag	420
74 aaaaacgcgg tgggtggca ccagaattac tacttctcg tctgatttgg tcatatccgt	480
75 attaagtccg gttaatatcc tccataactg gggtttgaac attcggttcc ttttttcag	540
76 tttagtccgat ttggagttt gaggatggaa aaataataact gaatttattt gttcaaaactg	600
77 ttttggaaaa aatatttccc ttaattacga atataattaa aattttaaaa ttcattttat	660
78 tagatcttgg ttaattcgg ttaatgcatt aatgaatttc ggtttaaagtc ggttttcgg	720
79 ttttatgtcc caccactatc tacaaccgat gatcaaccctt atctccgtat tcaccacaaa	780
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84 <212> TYPE: DNA	
85 <213> ORGANISM: Artificial Sequence	
87 <220> FEATURE:	
88 <223> OTHER INFORMATION: Expression vector UH200	
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93 gatagttaa actgaaggcg gggaaacgaca atcagatcta gtaggaaaca gctatgacca	180
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97 tttagcaggtg ttatttttac aacataacat aacatagtag cttagccagca ggcaggctaa	420
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107 tcggcaggag caaggtgaga tgacaggaga tcctgccccg gcacttcgccc caatagcagc	1020
108 cagtccttc cccgttcagt gacaacgtcg agcacagctg cgcaaggAAC gcccgtcgat	1080
109 gccagccacg atagccgcgc tgcctcgatcc tgcagttcat tcagggcacc ggacaggtcg	1140

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113	agatccgata tcgccccggc tcgactctag aggatccaag cttcactgtct taaattcaca	1380
114	aaaagagaaaa agtaagacca aaggaataaa tcatcctcaa accaaaaaca catcatacaa	1440
115	aatcatcaaa cataaatctc cagatgtatg agcaccatc cagttataca acactctaa	1500
116	caccaaatac acagattaa cagcgaaata agctaagcc catabacatc tccgatccaa	1560
117	acaaatataa tcgaaaccgg cagaggata agcaagtga tcaaaaaagta tgggacgagg	1620
118	aagaagatga tacctgaatg agaaaagtcaa taaccttgac ccgaatcggtt ttgaagaaaa	1680
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123	aaaaataata ctgaatttat ttgttcaaaac tggggggaa aaaatatttc ccttaattac	1980
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125	ttaatgaatt tcggttaag tcgggtttcg gttttatgt cccaccacta tctacaaccg	2100
126	atgatcaacc ttatccgtt attcaccaca aacagtcatc actctcactt gacacaaaaaa	2160
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L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date